



THE UNIVERSITY *of* EDINBURGH

## Edinburgh Research Explorer

### Representation, agendas and institutions

**Citation for published version:**

Bevan, S & Jennings, W 2014, 'Representation, agendas and institutions', *European Journal of Political Research*, vol. 53, no. 1, pp. 37-56. <https://doi.org/10.1111/1475-6765.12023>

**Digital Object Identifier (DOI):**

[10.1111/1475-6765.12023](https://doi.org/10.1111/1475-6765.12023)

**Link:**

[Link to publication record in Edinburgh Research Explorer](#)

**Document Version:**

Peer reviewed version

**Published In:**

European Journal of Political Research

**Publisher Rights Statement:**

This is the accepted version of the following article: Bevan, S., & Jennings, W. (2014). Representation, agendas and institutions: Representation, agendas and institutions. *European Journal of Political Research*, 53(1), 37-56, which has been published in final form at <http://onlinelibrary.wiley.com/doi/10.1111/1475-6765.12023/full>.

**General rights**

Copyright for the publications made accessible via the Edinburgh Research Explorer is retained by the author(s) and / or other copyright owners and it is a condition of accessing these publications that users recognise and abide by the legal requirements associated with these rights.

**Take down policy**

The University of Edinburgh has made every reasonable effort to ensure that Edinburgh Research Explorer content complies with UK legislation. If you believe that the public display of this file breaches copyright please contact [openaccess@ed.ac.uk](mailto:openaccess@ed.ac.uk) providing details, and we will remove access to the work immediately and investigate your claim.



## ONLINE APPENDIX

**Table A1.** State of the Union ECMs by Major Topic, 1951-2003

	1 - Econ	2 - Civil	3 - Health	4 - Agric	5 - Labor	6 - Educ	7 - Envir	8 - Energy
$\Delta\text{OPINION}_t$	-0.064 (0.281)	-0.156 (0.256)	0.515 (0.448)	4.435* (1.916)	-1.001 (1.496)	6.476** (1.77)	3.407** (1.195)	0.628 (0.63)
$\text{OPINION}_{t-1}$	0.269 (0.169)	-0.140 (0.209)	0.972* (0.437)	2.274 (2.319)	1.826 (2.017)	4.014*** (0.98)	0.249 (1.022)	2.759*** (0.617)
$\text{AGENDA}_{t-1}$	-0.799*** (0.139)	-0.991*** (0.146)	-0.852*** (0.142)	-0.884*** (0.146)	-0.810*** (0.138)	-0.991*** (0.154)	-1.072*** (0.136)	-0.952*** (0.129)
$\text{PARTY}_t$	4.772 (6.149)	1.140 (3.951)	-8.397 (5.122)	1.814 (3.127)	-4.277 (2.752)	-0.956 (3.363)	-0.339 (2.219)	5.658 (3.995)
Constant	20.532* (7.734)	10.309* (4.122)	12.642** (4.658)	3.424 (2.449)	9.160** (3.355)	5.182† (3.052)	5.591** (1.798)	-1.776 (3.24)
Adj. R <sup>2</sup>	0.376	0.456	0.404	0.445	0.408	0.459	0.575	0.511
Bgodfrey	1.038	1.008	1.931	0.093	3.415†	3.697†	1.136	3.496†

  

	10 - Trans	12 - Law	13 - Social	14 - House	18 - Trade	20 - Gov't	21 - Lands	16/19 - For
$\Delta\text{OPINION}_t$	14.760 (35.44)	1.312** (0.452)	1.860† (1.043)	3.028 (6.215)	-1.080 (1.751)	-0.617 (1.403)	-34.261 (52.008)	-1.191 (0.823)
$\text{OPINION}_{t-1}$	47.080 (49.621)	1.235*** (0.325)	1.321* (0.618)	1.808 (7.851)	0.600 (1.897)	0.247 (1.088)	15.206 (67.079)	0.904 (0.62)
$\text{AGENDA}_{t-1}$	-1.030*** (0.145)	-0.967*** (0.146)	-0.870*** (0.144)	-1.006*** (0.146)	-0.779*** (0.142)	-0.907*** (0.146)	-0.988*** (0.145)	-0.829*** (0.135)
$\text{PARTY}_t$	3.089 (3.145)	-2.368 (4.529)	1.966 (3.583)	-0.154 (2.212)	-0.810 (1.825)	0.779 (5.982)	1.477 (1.839)	6.618 (21.96)
Constant	0.737 (2.548)	3.427 (4.479)	3.990 (3.716)	4.068* (1.816)	5.272** (1.817)	15.914* (6.468)	2.108 (1.497)	47.569† (24.063)
Adj. R <sup>2</sup>	0.481	0.498	0.419	0.463	0.356	0.411	0.468	0.442
Bgodfrey	1.980	1.781	1.064	0.873	0.136	1.219	5.943*	0.655

Note \*  $p \leq .05$ , \*\*  $p \leq .01$ , \*\*\*  $p \leq .001$ , †  $p \leq 0.10$ , N=52

**Table A2.** Speech from the Throne ECMs by Major Topic, 1951-2003

	<b>1 - Econ</b>	<b>2 - Civil</b>	<b>3 - Health</b>	<b>4 - Agric</b>	<b>5 - Labor</b>	<b>6 - Educ</b>	<b>7 - Envir</b>	<b>8 - Energy</b>
$\Delta\text{OPINION}_t$	0.056 (0.037)	-0.333* (0.130)	-0.030 (0.041)	-0.090 (0.104)	0.040 (0.046)	-0.031 (0.204)	0.376* (0.152)	0.020 (0.167)
$\text{OPINION}_{t-1}$	0.083*** (0.021)	-0.399* (0.176)	0.111*** (0.025)	-0.169 (0.149)	0.059† (0.034)	0.283* (0.133)	0.527*** (0.154)	0.236 (0.234)
$\text{AGENDA}_{t-1}$	-0.840*** (0.145)	-1.108*** (0.135)	-1.078*** (0.12)	-0.561*** (0.131)	-0.761*** (0.140)	-0.919*** (0.14)	-0.906*** (0.144)	-0.852*** (0.138)
$\text{PARTY}_t$	-2.089* (0.836)	-2.716*** (0.653)	-1.338*** (0.347)	0.507 (0.457)	-0.697 (0.555)	-0.192 (0.761)	-0.383 (0.31)	-0.578 (0.427)
Constant	3.925*** (1.163)	3.626*** (0.625)	2.056*** (0.372)	0.925* (0.447)	2.447*** (0.663)	2.501** (0.91)	1.003*** (0.297)	1.295** (0.4)
Adj. R <sup>2</sup>	0.377	0.605	0.630	0.221	0.380	0.439	0.433	0.430
Bgodfrey	0.069	2.416	0.407	0.818	0.141	1.468	0.051	0.388

  

	<b>10 - Trans</b>	<b>12 - Law</b>	<b>13 - Social</b>	<b>14 - House</b>	<b>18 - Trade</b>	<b>20 - Gov't</b>	<b>21 - Lands</b>	<b>16/19 - For</b>
$\Delta\text{OPINION}_t$	0.500† (0.272)	0.032 (0.223)	0.064 (0.089)	-0.174 (0.123)	0.070 (0.231)	0.359 (0.478)	0.123 (0.179)	-0.367** (0.12)
$\text{OPINION}_{t-1}$	0.121 (0.22)	0.462*** (0.119)	0.100 (0.084)	0.161* (0.079)	0.123 (0.285)	0.134 (0.45)	0.019 (0.124)	-0.181** (0.068)
$\text{AGENDA}_{t-1}$	-0.743*** (0.143)	-0.862*** (0.133)	-0.952*** (0.15)	-0.806*** (0.136)	-0.443*** (0.124)	-0.745*** (0.136)	-0.625*** (0.146)	-0.654*** (0.133)
$\text{PARTY}_t$	-0.800 (0.528)	-1.830* (0.739)	-1.466* (0.586)	-0.261 (0.595)	0.166 (0.567)	-3.060** (1.005)	0.591 (0.821)	3.242* (1.583)
Constant	2.229*** (0.619)	4.180*** (0.894)	2.643*** (0.698)	1.405* (0.66)	1.028† (0.596)	6.167*** (1.26)	4.653*** (1.211)	15.434*** (3.52)
Adj. R <sup>2</sup>	0.407	0.436	0.422	0.442	0.161	0.346	0.247	0.359
Bgodfrey	0.821	3.791†	0.074	1.265	4.955*	5.226*	0.596	1.573

Note \*  $p \leq .05$ , \*\*  $p \leq .01$ , \*\*\*  $p \leq .001$ , †  $p \leq 0.10$ , N=52

**Table A3.** Statutes of the US Congress ECMs by Major Topic, 1951-2003

	<b>1 - Econ</b>	<b>2 - Civil</b>	<b>3 - Health</b>	<b>4 - Agric</b>	<b>5 - Labor</b>	<b>6 - Educ</b>	<b>7 - Envir</b>	<b>8 - Energy</b>
$\Delta\text{OPINION}_t$	0.129* (0.06)	-0.119† (0.062)	-0.558* (0.249)	1.929† (1.148)	0.253 (0.345)	0.487 (0.816)	1.846† (0.978)	0.215 (0.179)
$\text{OPINION}_{t-1}$	-0.032 (0.037)	-0.101† (0.052)	-0.042 (0.268)	0.740 (1.358)	-0.247 (0.492)	0.191 (0.547)	2.293** (0.843)	0.446* (0.168)
$\text{AGENDA}_{t-1}$	-0.856*** (0.138)	-1.318*** (0.14)	-0.196 (0.133)	-0.974*** (0.151)	-1.333*** (0.134)	-0.948*** (0.142)	-1.425*** (0.135)	-1.271*** (0.14)
$\text{PARTY}_t$	-5.296** (1.949)	0.659 (1.232)	-2.792 (3.593)	-9.346*** (2.469)	-3.548*** (0.925)	-5.931 (3.663)	-4.812* (2.304)	-0.996 (1.435)
Constant	7.567*** (1.767)	6.984*** (1.065)	3.345† (1.908)	12.872*** (2.059)	7.515*** (0.861)	8.522*** (1.523)	12.169*** (1.565)	7.365*** (1.041)
Adj. R <sup>2</sup>	0.445	0.627	0.222	0.466	0.663	0.446	0.682	0.606
Bgodfrey	1.228	3.866*	7.406**	1.509	4.016*	2.343	10.509***	3.800†

  

	<b>10 - Trans</b>	<b>12 - Law</b>	<b>13 - Social</b>	<b>14 - House</b>	<b>18 - Trade</b>	<b>20 - Gov't</b>	<b>21 - Lands</b>	<b>16/19 - For</b>
$\Delta\text{OPINION}_t$	14.725 (32.966)	0.085 (0.207)	0.160 (0.256)	1.321 (1.553)	-3.594* (1.449)	1.370 (1.48)	-383.446 (324.636)	0.446* (0.186)
$\text{OPINION}_{t-1}$	36.067 (47.364)	-0.047 (0.199)	0.411* (0.172)	1.257 (1.999)	-5.615** (1.749)	-2.049† (1.171)	-269.913 (416.094)	0.348* (0.165)
$\text{AGENDA}_{t-1}$	-0.746*** (0.141)	-1.219*** (0.14)	-1.241*** (0.151)	-1.086*** (0.14)	-1.093*** (0.147)	-1.076*** (0.146)	-1.066*** (0.144)	-0.769*** (0.145)
$\text{PARTY}_t$	-11.196* (4.3)	-2.438 (4.343)	-4.669** (1.419)	-3.462*** (0.807)	-4.590* (2.021)	1.353 (8.105)	-26.276† (15.008)	-22.812** (7.512)
Constant	15.307*** (3.46)	17.153*** (2.442)	5.131*** (0.847)	5.070*** (0.734)	11.704*** (1.822)	78.287*** (11.446)	78.418*** (12.314)	32.993*** (7.31)
Adj. R <sup>2</sup>	0.328	0.587	0.580	0.527	0.508	0.571	0.515	0.345
Bgodfrey	14.843***	2.307	1.148	0.333	1.410	2.743	7.233**	3.559†

Note \*  $p \leq .05$ , \*\*  $p \leq .01$ , \*\*\*  $p \leq .001$ , †  $p \leq 0.10$ , N=52

**Table A4.** Acts of the UK Parliament ECMs by Major Topic, 1951-2003

	<b>1 - Econ</b>	<b>2 - Civil</b>	<b>3 - Health</b>	<b>4 - Agric</b>	<b>5 - Labor</b>	<b>6 - Educ</b>	<b>7 - Envir</b>	<b>8 - Energy</b>
$\Delta\text{OPINION}_t$	0.080† (0.041)	0.088 (0.077)	0.072 (0.05)	-0.206 (0.151)	0.007 (0.041)	0.110 (0.14)	-0.396† (0.219)	0.058 (0.139)
$\text{OPINION}_{t-1}$	0.055* (0.021)	0.038 (0.102)	0.031 (0.028)	-0.322 (0.216)	0.055† (0.030)	0.035 (0.09)	0.490* (0.188)	-0.006 (0.19)
$\text{AGENDA}_{t-1}$	-0.876*** (0.144)	-1.077*** (0.159)	-1.002*** (0.144)	-0.960*** (0.145)	-1.094*** (0.144)	-1.168*** (0.143)	-1.203*** (0.126)	-1.215*** (0.146)
$\text{PARTY}_t$	-0.897 (0.844)	-0.736† (0.394)	0.345 (0.416)	0.793 (0.657)	0.019 (0.498)	0.176 (0.523)	0.045 (0.434)	0.527 (0.358)
Constant	4.914*** (1.226)	1.831*** (0.394)	2.213*** (0.504)	2.542*** (0.692)	1.712** (0.557)	1.926** (0.605)	1.892*** (0.412)	1.909*** (0.372)
Adj. R <sup>2</sup>	0.406	0.470	0.481	0.441	0.517	0.553	0.648	0.588
Bgodfrey	2.183	0.360	0.101	1.132	0.981	0.708	1.309	0.151

  

	<b>10 - Trans</b>	<b>12 - Law</b>	<b>13 - Social</b>	<b>14 - House</b>	<b>18 - Trade</b>	<b>20 - Gov't</b>	<b>21 - Lands</b>	<b>16/19 - For</b>
$\Delta\text{OPINION}_t$	0.259 (0.482)	-0.178 (0.404)	-0.113 (0.074)	-0.132 (0.15)	0.030 (0.12)	-0.502 (0.563)	0.073 (0.177)	0.122* (0.05)
$\text{OPINION}_{t-1}$	0.517 (0.396)	0.113 (0.181)	-0.196** (0.073)	0.138 (0.096)	0.097 (0.148)	-0.695 (0.531)	0.445** (0.137)	0.045† (0.024)
$\text{AGENDA}_{t-1}$	-0.872*** (0.145)	-0.975*** (0.144)	-1.118*** (0.143)	-0.934*** (0.142)	-0.617*** (0.14)	-1.182*** (0.144)	-0.870*** (0.134)	-1.336*** (0.137)
$\text{PARTY}_t$	1.793† (0.949)	1.755 (1.291)	-0.243 (0.444)	0.570 (0.723)	-0.111 (0.302)	-0.126 (1.046)	1.958* (0.856)	-0.233 (0.622)
Constant	2.444* (0.997)	7.374*** (1.803)	2.865*** (0.566)	2.307** (0.843)	0.489† (0.283)	7.797*** (1.305)	1.076 (0.815)	4.263*** (0.738)
Adj. R <sup>2</sup>	0.415	0.466	0.536	0.464	0.253	0.554	0.438	0.651
Bgodfrey	0.068	1.274	0.118	0.342	0.041	3.402†	1.122	0.013

Note \*  $p \leq .05$ , \*\*  $p \leq .01$ , \*\*\*  $p \leq .001$ , †  $p \leq 0.10$ , N=52

**Table A5.** US Federal Budget ECMs by Major Topic, 1951-2003

	<b>1 - Econ</b>	<b>3 - Health</b>	<b>6 - Educ</b>	<b>12 - Law</b>	<b>13 - Social</b>	<b>14 - House</b>	<b>16/19 - For</b>
$\Delta\text{OPINION}_t$	0.441 (1.013)	72.673 (197.173)	-1675.423* (641.526)	-5.905 (27.024)	1151.909 (898.006)	-6772.070 (22334.3)	403.245 (479.816)
$\text{OPINION}_{t-1}$	-0.272 (0.648)	-72.474 (236.916)	-421.279 (438.149)	-7.519 (25.762)	855.517 (812.166)	-2370.936 (28777.44)	555.181 (383.886)
$\text{AGENDA}_{t-1}$	-0.210* (0.097)	0.067*** (0.014)	-0.033 (0.044)	0.046* (0.024)	0.025* (0.012)	-0.287** (0.100)	-0.057 (0.078)
$\text{PARTY}_t$	86.409* (40.049)	-7106.637 (4866.701)	6499.114* (2921.977)	696.608 (718.447)	-3978.508 (5809.023)	-3138.519 (10426.77)	31913.240† (16866.25)
Constant	53.544* (23.8)	1860.910 (1459.816)	1927.041 (1167.794)	167.307 (249.261)	5677.128* (2764.024)	13580.090† (7002.519)	9509.406 (38286.48)
Adj. R <sup>2</sup>	0.079	0.589	0.135	0.270	0.326	0.078	0.040
Bgodfrey	0.002	0.941	0.012	1.643	2.533	5.412*	0.483

Note \*  $p \leq .05$ , \*\*  $p \leq .01$ , \*\*\*  $p \leq .001$ , †  $p \leq 0.10$ , N=52

**Table A6.** UK Government Expenditure ECMs by Major Topic, 1951-2003

	<b>1 - Econ</b>	<b>3 - Health</b>	<b>6 - Educ</b>	<b>12 - Law</b>	<b>13 - Social</b>	<b>14 - House</b>	<b>16/19 - For</b>
$\Delta\text{OPINION}_t$	76.661 (61.078)	-12.042 (70.173)	49.732 (137.384)	-82.274 (51.654)	-106.974 (268.968)	-216.407 (136.771)	12.608 (35.874)
$\text{OPINION}_{t-1}$	-20.561 (28.593)	62.198 (63.558)	146.878 (92.504)	-155.718** (52.625)	-246.707 (276.053)	62.027 (97.299)	-25.406 (18.33)
$\text{AGENDA}_{t-1}$	-0.094 (0.076)	0.019 (0.028)	0.020 (0.019)	0.118*** (0.027)	0.017 (0.017)	-0.089 (0.066)	-0.175* (0.076)
$\text{PARTY}_t$	-659.534 (1386.867)	-295.495 (546.515)	-494.412 (519.929)	-66.166 (138.258)	-1.154 (1657.102)	-810.323 (657.275)	594.086 (499.731)
Constant	3370.918† (1863.273)	484.794 (770.895)	375.286 (771.689)	-203.253 (198.318)	2748.573 (2600.71)	1419.903 (1271.659)	5065.639* (2221.256)
Adj. R <sup>2</sup>	0.023	0.107	0.129	0.353	-0.016	0.100	0.035
Bgodfrey	0.085	4.079*	5.807*	0.817	4.456*	0.870	1.988

Note \*  $p \leq .05$ , \*\*  $p \leq .01$ , \*\*\*  $p \leq .001$ , †  $p \leq 0.10$ , N=52